

A per pool of

PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box

1450, Alexandria, VA 22313-1450.

Date -

Filed

Phoebe Pogson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/056,935

Confirmation No. : 3970

Applicants: Timothy B. Cowles et al.

: October 18, 2001

Attorney Docket No.: 501030.01

Art Unit : 2824

Customer No. : 27,076

Examiner: Hien N. Nguyen

Title : LO

: LOW POWER AUTO-REFRESH CIRCUIT AND METHOD FOR DYNAMIC

RANDOM ACCESS MEMORIES

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

RECEIVED
NOV -3 2003

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references, as required under 37 C.F.R. § 1.98, are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP

Edward W. Bulchis Registration No. 26,847

EWB:dms

Enclosures:

Postcard Check

Fee Transmittal (+ copy)
Copy of Information Disclosure Statement
Form PTO-1449

Cited References (24)

1420 Fifth Avenue, Suite 3400 Seattle, WA 98101 Telephone (206) 903-8800 Facsimile (206) 903-8820

h:\ip\documents\clients\micron technology\1000\501030.01\501030.01 sids with rce.doc

FORM PTO-1449 (REV.7-80)

INFORMATION DIS

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

LOSURE STATEMENT

sheets if necessary)

ATTY. DOCKET NO. 501030.01

APPLICATION NO. 10/056,935

APPLICANT(S)

Timothy B. Cowles et al.

FILING DATE

GROUP ART UNIT 2824

October 18, 2001

. U.S. PATENT DOCUMENTS										
*EXAMINER INITIAL	-	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	AA	5,400,289	03/21/95	Blodgett	365	222				
	Α̈́В	5,450,364	09/12/95	Stephens, Jr., et al.	365	222				
	AC	5,636,173	06/03/97	Schaefer	365	230.03				
	AD	5,881,016	03/09/99	Kenkare et al.	365	230.03				
	AE	6,031,782	02/29/00	Kobashi et al.	365	228				
_	AF	6,115,278	09/05/00	Deneroff et al.	365	52 .				
	AG	6,172,928 B1	01/09/01	Ooishi	365	222				
	АН	6,188,641 B1	02/13/0	Uchida	365	233				
	AI	6,215,686 B1	04/10/01	Deneroff et al.	365	52				
-	AJ	6,215,714 B1	04/10/01	Takemae et al.	365	222				
	AK	6,253,340 B1	06/26/01	Cowles et al.	714	718				
_	AL	6,292,420 B1	09/18/01	Kim et al.	365	222				
	AM	6,349,068 B2	02/19/02	Takemae et al.	365	222				
	AN	6,414,894 B2	07/02/02	Ooishi et al.	365	222				
	AO	6,438,055 B1	08/20/02	Taguchi et al.	365	222				
	AP	6,449,203 B1	09/10/02	Cowles et al.	365	222				
	AQ	6,504,787 B2	01/07/03	Tsubouchi et al.	365	230.05				
	AR	6,510,099 B1	01/21/03	Wilcox et al.	365	230.06				
	AS	6,549,479 B2	04/15/03	Blodgett	365	222				
	АТ	6,552,596 B2	04/22/03	Cowles et al.	327	318				
•	AU	6,552,955 B1	04/22/03	Miki	365	233				
	AV	6,560,158 B2	05/06/03	Choi et al.	365	226				
	AW	6,570,804 B1	05/27/03	Blodgett	365	225.7				
	AX	6,597,617 B2	07/22/03	Ooishi et al.	365	222				
EXAMINER DATE CONSIDERED										

EXAMINER

DATE CONSIDERED

Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

^{*} EXAMINER:

	Complete if Known						
	Application No.			10/056,935			
TO TO A NOMITTAL QUEET	Filing Date			October 18, 2001			
FREE TRANSMITTAL SHEET (FOR FY 2004)	First Na	First Named Inventor		Timothy B. Cowles et al.			
10K112004)	Group Art Unit			2824			
na 3 y	Examiner			Hien N. Nguyen			
A. CHE	Atty. Do	Atty. Docket Number 501030.01					
METHOD OF PAYMENT (Check One)	FEE CALCULATION (Continued)						
The Commissioner is hereby authorized to charge any	3. ADDITIONAL FEES						
additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account	Large Entity Small Entity Fee Fee Fee Fee Fee						
No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP	Code	(\$)	Code	(\$)	Fee Description	Fee paid	
2. [X] Check Enclosed	1051	130	2051	65	Surcharge - Late filing fee or oath Surcharge - late provisional filing fee		
FEE CALCULATION	1052	50	2052	25	or cover sheet	\$	
	1053	130	1053	130	Non-English specification For Filing a Request for ex parte	<u> </u>	
1. BASIC FILING FEE Large Entity Small Entity	1812	2,520	1812	2,520	Reexamination Requesting publication of SIR prior	\$	
Fee Fee Fee Fee Description	1804	920	1804	920	to Examiner action Requesting publication of SIR after	\$	
Code (3) Code (3)	1805	1,840	1805	1,840	Examiner action	\$	
	1251	110	2251	55	Extension for reply within first month	\$	
	1252	420	2252	210	Extension for reply within 2 nd month	\$	
	1253	950	2253	475	Extension for reply within 3 rd month	\$	
	1254	1,480	2254	740	Extension for reply within 4 th month	<u>\$</u>	
The second secon	1255	2,010	2255	1,005	Extension for reply within 5 th month	\$ \$	
Subtotal (1) \$0	1401	330	2401	165 165	Notice of Appeal Filing a brief in support of an appeal	\$	
2. EXTRA CLAIM FEES	1402	330 290	2402	145	Request for oral hearing	\$	
Current Claims Prior Extra Fee Fee Paid	1814	110	2814	55	Terminal Disclaimer Fee	s	
Total - 20 = x \$ = \$	1452	110	2452	55	Petition to revive – unavoidable	\$	
	1453	1,330	2453	665	Petition to revive – unintentional	\$	
Multiple Dependent Claims x \$ = \$ Subtotal (2) \$0	1501	1,330	2501	665	Utility/Reissue issue fee	\$	
Subtotal (2)\$0	1502	480	2502	240	Design issue fee	\$	
Large Entity Small Entity	1503	640	2503	320	Plant issue fee	\$	
Fee Fee Fee Fee Description (\$)	1460	130	1460	130	Petitions to the Commissioner	\$	
1202 18 2202 9 Claims in excess of 20	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	\$	
1201 86 2201 43 Independent claims in excess of 3	1806	180	1806	180	Submission of IDS	\$	
1203 290 2203 145 Multiple dependent Claim Reissue independent claims over	8021	40 8	8021	40	Recording each patent assignment per property (times number of	\$	
Reissue claims in excess of 20 and	1801	770	2801	385	properties) Request for Continued Examination (RCE)	\$770	
over original patent	Other fe	ee (spec	ify)	l	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$	
·					Subtotal (3)	\$770	
				7	Total Amount of Payment:	\$770	
Submitted by:							
Name: Edward W. Bulchis Reg. No.: 26,847	Telephone: (206) 903-8800						
Signatura:				ate: (October 27	700	
Signature:	and	1					

h:\ip\documents\clients\micron technology\1000\501030.01\501038.01+ee trans rce.doc